

## Rabbit Histone H2B Polyclonal Antibody | anti-H2B antibody

Rabbit anti-Histone H2B Antibody

| CATALOG # | HOST   | REACTIVITY                                       | APPLICATIONS                                                                                               |
|-----------|--------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| AAA224114 | Rabbit | Human, Mouse, Bovine, Chicken, Monkey, Zebrafish | Chromatin Immunoprecipitation, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot |

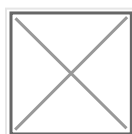
### PRODUCT SYNONYMS

Histone H2B; Polyclonal Antibody; Rabbit anti-Histone H2B Antibody; Histone H2B type F-S; Histone H2B.s; H2B/s; anti-H2B antibody

### PRODUCT SPECIFICATIONS

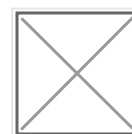
|                                               |                                                                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                     |
| Reactivity                                    | Human, Mouse, Bovine, Chicken, Monkey, Zebrafish                                                                                           |
| Clonality                                     | Polyclonal                                                                                                                                 |
| Purity/Purification                           | The antibody was purified by immunogen affinity chromatography.                                                                            |
| Form/Format                                   | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                  |
| Concentration                                 | 1mg/mL (varies by lot)                                                                                                                     |
| Applicable Applications for anti-H2B antibody | ChIP (Chromatin immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                               |
| Immunogen                                     | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2B. The exact sequence is proprietary. |
| Preparation and Storage                       | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                  |

### IMAGES



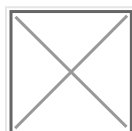
#### IF (Immunofluorescence)

Immunofluorescent analysis of Lamin A/C (pS392) staining in SHSY5Y cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Lamin A/C (pS392) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Lamin A/C (pS392) expression in SHSY5Y (A), mouse heart (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Product Categories/Family for anti-H2B antibody | Primary antibodies |
|-------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 383792150                                                                                                 |
| NCBI GeneID                      | 4000                                                                                                      |
| NCBI Accession #                 | NP_001244303.1                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001257374.1                                                                                            |
| UniProt Accession #              | P02545; P48678; P48679                                                                                    |
| Molecular Weight                 | 74,65kDa                                                                                                  |
| NCBI Official Full Name          | lamin isoform D                                                                                           |
| NCBI Official Synonym Full Names | lamin A/C                                                                                                 |
| NCBI Official Symbol             | LMNA                                                                                                      |
| NCBI Official Synonym Symbols    | FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B |
| NCBI Protein Information         | lamin; 70 kDa lamin; prelamin-A/C; lamin A/C-like 1; renal carcinoma antigen NY-REN-32                    |
| UniProt Protein Name             | Prelamin-A/C                                                                                              |
| UniProt Gene Name                | LMNA                                                                                                      |
| UniProt Synonym Gene Names       | LMN1                                                                                                      |
| UniProt Entry Name               | LMNA_HUMAN                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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